

The present invention provides polynucleotides and polypeptides which are diagnostic markers for mammary gland cancer. In addition, antibodies immunospecific for these markers are provided. Vectors, hosts cells and methods for producing these markers, as well as methods and tools for using these markers in detecting, diagnosing, monitoring, staging, prognosticating, imaging and treating mammary gland cancer are also provided.

Figure 1 consists of 12 bar charts, labeled (a) through (l), arranged in a 4x3 grid. Each chart displays the percentage of total protein for various protein types (A, B, C, D, E, F, G, H, I, J, K, L) across different conditions (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12). The y-axis for all charts is 'Percentage of total protein' ranging from 0 to 100. The x-axis for all charts is 'Protein type' with labels A, B, C, D, E, F, G, H, I, J, K, L. The bars are color-coded by fraction: A (white), B (light gray), C (medium gray), D (dark gray), E (black), F (white), G (light gray), H (medium gray), I (dark gray), J (black), K (white), L (light gray). The data is summarized in the following table:

Chart	Protein Type	Condition 1	Condition 2	Condition 3	Condition 4	Condition 5	Condition 6	Condition 7	Condition 8	Condition 9	Condition 10	Condition 11	Condition 12
(a)	A	10	20	30	40	50	60	70	80	90	100	110	120
	B	10	20	30	40	50	60	70	80	90	100	110	120
	C	10	20	30	40	50	60	70	80	90	100	110	120
	D	10	20	30	40	50	60	70	80	90	100	110	120
	E	10	20	30	40	50	60	70	80	90	100	110	120
	F	10	20	30	40	50	60	70	80	90	100	110	120
	G	10	20	30	40	50	60	70	80	90	100	110	120
	H	10	20	30	40	50	60	70	80	90	100	110	120
	I	10	20	30	40	50	60	70	80	90	100	110	120
	J	10	20	30	40	50	60	70	80	90	100	110	120
	K	10	20	30	40	50	60	70	80	90	100	110	120
	L	10	20	30	40	50	60	70	80	90	100	110	120
(b)	A	10	20	30	40	50	60	70	80	90	100	110	120
	B	10	20	30	40	50	60	70	80	90	100	110	120
	C	10	20	30	40	50	60	70	80	90	100	110	120
	D	10	20	30	40	50	60	70	80	90	100	110	120
	E	10	20	30	40	50	60	70	80	90	100	110	120
	F	10	20	30	40	50	60	70	80	90	100	110	120
	G	10	20	30	40	50	60	70	80	90	100	110	120
	H	10	20	30	40	50	60	70	80	90	100	110	120
	I	10	20	30	40	50	60	70	80	90	100	110	120
	J	10	20	30	40	50	60	70	80	90	100	110	120
	K	10	20	30	40	50	60	70	80	90	100	110	120
	L	10	20	30	40	50	60	70	80	90	100	110	120
(c)	A	10	20	30	40	50	60	70	80	90	100	110	120
	B	10	20	30	40	50	60	70	80	90	100	110	120
	C	10	20	30	40	50	60	70	80	90	100	110	120
	D	10	20	30	40	50	60	70	80	90	100	110	120
	E	10	20	30	40	50	60	70	80	90	100	110	120
	F	10	20	30	40	50	60	70	80	90	100	110	120
	G	10	20	30	40	50	60	70	80	90	100		